

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.-3. (Cancelled).

4. (Currently amended) A ~~producing~~ method of producing a plane carbon commutator comprising a plurality of metal segments fixed to a commutator body made of resin, and carbon, said segments and said carbon are integrally fixed to each other, wherein said method comprises the steps of:

(a) forming peripheral faces of said engaging projections into coarse faces when engaging projections formed on said carbon are inserted into engaging holes formed in a metal base which will become said segments in order to integrally form said carbon which was previously burnt at a high temperature and said metal base;

(b) integrally forming said metal base and said carbon and then, coating the entire exposed face of said carbon with mold resin when said engaging projections formed on said carbon are inserted into said engaging holes formed in said metal base;

(c) cutting said metal base into each segment and at the same time, cutting said carbon; and

(d) removing said mold resin from a contact face between said carbon and a brush.